

Patent Claims

1. Device for inhalation therapy
 - a. comprising an oscillatable membrane (1) for nebulising a liquid (3),
 - b. comprising an oscillation generating device (6, 7) having at least one connecting means (8, 9) for supplying an oscillation control signal and by means of which said membrane (1) is caused to oscillate when the oscillation control signal is supplied such that a liquid disposed on one side of said membrane is nebulised through the membrane and is present on the other side of said membrane as an aerosol, and
 - c. comprising a control means (10), from which an oscillation control signal can be supplied to the at least one connecting means (8, 9) of the oscillation generating device (6, 7) so that said oscillation generating device (6, 7) causes the membrane (1) to oscillate,characterised in that

said control means (10) is designed such that a further control signal of the control means (10) can be supplied to the oscillation generating device (6, 7), said further signal causing the membrane (1) to oscillate in the audible frequency range so as to emit an audible signal for a user.
2. Device for inhalation therapy according to claim 1, characterised in that the further control signal is supplied to the oscillation generating device (6, 7) via the same connecting means (8, 9) as the oscillation control signal.
3. Device for inhalation therapy according to claim 1, characterised in that the oscillation generating device (6, 7) comprises an electromechanical transducer unit (7), in particular a piezoelectric element.
4. Device for inhalation therapy according to claim 2, characterised in that the oscillation generating device (6, 7) comprises a support unit (6) to which the electromechanical transducer unit (7) and the membrane (1) are attached.
5. Device for inhalation therapy according to one of the previous claims, characterised in that a generator unit (13) is provided that generates the further control signal

which is supplied to the oscillation generating device (6, 7) via the at least one connecting means (8, 9).

6. Device for inhalation therapy according to claim 4, characterised in that the generator unit (13) is integrated in the control means (10).
7. Device for inhalation therapy according to one of the previous claims, characterised in that an energy supply means for the inhalation device is integrated in the control means (10).
8. Device for inhalation therapy
 - a. comprising an aerosol generating device (1, 6, 7) for nebulising a liquid (3) or powder having a connecting means (8, 9) for supplying a control signal, and
 - b. comprising a control means (10) from which a first control signal can be supplied to the connecting means (8, 9) of the aerosol generating device (1, 6, 7) so that said aerosol generating device nebulises the liquid,characterised in that

said control means (10) is designed such that a second control signal of the control means (10) can be supplied to the aerosol generating device (1, 6, 7), said second signal causing an audible signal for a user to be emitted.
9. Device for inhalation therapy according to claim 8, characterised in that the second control signal is supplied to the aerosol generating device (1, 6, 7) via the same connecting means (8, 9) as the first control signal.
10. Device for inhalation therapy according to claim 8 or 9, characterised in that the aerosol generating device comprises an oscillatable structure (1, 6, 7) to which the further control signal of the control means (10) can be supplied, said further control signal causing the oscillatable structure to oscillate in the audible frequency range so as to emit an audible signal for a user.
11. Device for inhalation therapy according to claim 8, 9 or 10, characterised in that the aerosol generating device comprises an electromechanical transducer unit (7), preferably a piezoelectric element.

12. Device for inhalation therapy according to one of claims 8 to 11, characterised in that a generator unit (13) is provided that generates the second control signal which is supplied to the aerosol generating device (1, 6, 7).
13. Device for inhalation therapy according to claim 12, characterised in that the generator unit (13) is integrated in the control means (10).
14. Device for inhalation therapy according to one of the previous claims, characterised in that the control means (10) is integrated in an energy supply means for the device for inhalation therapy.